ER REGULATORY CONTACT RECORD

Date/Time	May 4, 2004/12 30
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Purpose of Contact Closure of Sanitary Sewer in Various D&D Areas

Discussion

In preparation for Site closure and in association with building demolition, sanitary sewer lines in the B111/119 area, B121/122, B750, B559 and B887 areas need to be dispositioned in the immediate future The general approach for all of these is stated below followed by the project specifics

B111, 119, 121 and 122

- Sewer lines from buildings 111 and 119 were previously flushed Remaining lines will be flushed at the buildings and manholes
- Check Manholes (MH) –10, 13, 14, and 16 for sediment and collect a sample for radiological and metals analysis if possible at the best location
- At MH-21, -17, -18, -16, and -10, the inlets and outlets will be plugged and grouted Plug thickness depends on the pipe diameter but is expected to be 9" to 1 foot thick Add grout, flowable fill, or bentonite to a depth of about one foot or until the inlets and outlets are covered with approximately 1 foot of material Remove part of manhole within 3 feet of current or final grade Removed materials will be placed back into the manhole Remainder of the structure will be backfilled with dirt, grout or similar materials to the greater of current or final grade The upper 3 feet will be backfilled with dirt
- At MH-20 and –14, plug and grout the west entrances only as the rest of the sanitary sewer line is active No other work will be done at this time
- MH-13 will be destroyed during D&D of B122 The remaining opening will be plugged and grouted at that time
- Remove all cleanouts (CO) along this same line that are within 3 feet of grade Plug and grout the openings and backfill with dirt

B750 Area

- Check MH-100 and -103 for sediment and collect a sample for radiological and metals analysis, if possible
- Flush sanitary sewer lines from the building
- Remove cleanouts on the west side that are within 3 feet of current or final grade Plug section that comes out of the building, if possible Plug the remaining opening of the cleanout and backfill with dirt
- Plug the east entrance at MH-103 and the south entrance at MH-100 No other work at this time as the remaining sanitary sewer line in this area is active

B559 Area

- Check MH-136 and -211 for sediment and collect a sample for radiological and metals analysis, if possible
- Flush sanitary sewer lines from the building
- Remove portions of the cleanout on the north side of 559 that are within 3 feet of current or final grade Plug the remaining opening of the cleanout and backfill with dirt

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- One area near the northeast corner of the building will be excavated to air gap and plug the lines where no manhole is present
- MH-97, -136 and -211 will be removed as described above if this does not impact operation of the sanitary sewer system for other buildings

B881/887 Area

- The lines have already been flushed in this area
- The manhole immediately west of the lift station (MH-139) is still intact but is excavated to a depth of 5 or 6 feet The inlets and outlets to this manhole were not previously plugged, however, the southern entrances to MH-138 was plugged, isolating this section of the sanitary sewer
  - If not removed entirely, the manhole structure will be grouted as possible to seal off the inlet and outlet, then removed at the current excavated depth
  - If removed entirely, then the exposed pipe will be plugged and grouted prior to backfill
- Lift station 7 (LS-7)
  - A sediment sample will be collected from within the lift station, if possible, for radioactive and metals analysis
  - Remove pumps and associated equipment
  - Plug and grout inlet and outlets Perform radiological surveys of the inlets and outlets prior to grouting
  - Bentonite grout, concrete or similar materials will be poured into the lift station to a height above the inlet and outlet piping
  - Remove part of structure within 3 feet of current or final grade, whichever is greater
  - Removed materials will be placed back into the structure
  - Backfill with dirt, grout or similar materials to the greater of current or final grade The backfill material that is within 3 feet of final grade will be dirt
  - Because the lift station is not located in an area where there is potential pathway to surface water, and because the sanitary sewer lines are not located where these can act as a conduit to surface water, the fill material around the sewers will not require disruption
  - The outfall area for the overflow line leading to the south will be sampled if not previously sampled The part of the overflow line within three feet of the greater of current or final grade will be removed, the end plugged and grouted as above, and backfilled with dirt When the line is removed, the bedding material around it, if any, will be disrupted

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Contact Record Prepared By Annette Primrose

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